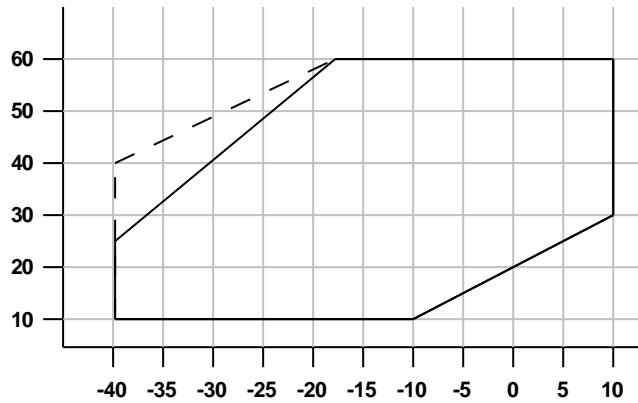


50Hz

ZB38KCE-TFD

R404A



Minimum evaporating temp. with:  
 ——— 25°C Suction Gas Return  
 - - - 10K Suction Superheat

Suction Return Temperature 20,0°C

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	Capacity kW											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	3,72	4,71	5,92	7,38	9,11	11,15	13,50					
20	3,34	4,25	5,36	6,68	8,24	10,05	12,20	14,60	17,40			
30		3,75	4,73	5,91	7,29	8,91	10,80	12,95	15,45	18,25	19,45	21,40
35			4,40	5,50	6,79	8,30	10,05	12,10	14,40	17,05	18,20	20,00
40			4,06	5,08	6,27	7,68	9,31	11,20	13,35	15,80	16,90	18,60
45				4,64	5,74	7,03	8,53	10,25	12,30	14,55	15,55	17,15
50					5,19	6,36	7,74	9,33	11,20	13,30	14,20	15,70
55					4,62	5,68	6,92	8,37	10,05	12,00	12,85	14,20
60						4,98	6,09	7,39	8,90	10,65	11,45	12,70
	Power Input kW											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	1,85	1,85	1,85	1,85	1,84	1,82	1,79					
20	2,35	2,36	2,37	2,37	2,37	2,36	2,34	2,32	2,28			
30		2,97	2,98	2,99	3,00	3,00	2,99	2,97	2,95	2,92	2,90	2,87
35			3,34	3,35	3,36	3,36	3,36	3,35	3,33	3,30	3,28	3,26
40			3,73	3,75	3,76	3,76	3,76	3,76	3,74	3,71	3,70	3,68
45				4,18	4,19	4,20	4,20	4,20	4,19	4,16	4,15	4,13
50					4,67	4,68	4,68	4,68	4,67	4,65	4,64	4,63
55					5,18	5,20	5,20	5,20	5,20	5,18	5,17	5,16
60						5,76	5,77	5,77	5,77	5,76	5,75	5,74
	Current 400V, A											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	6,38	6,38	6,37	6,37	6,36	6,35	6,35					
20	6,82	6,85	6,87	6,88	6,89	6,89	6,89	6,89	6,89			
30		7,54	7,58	7,60	7,62	7,63	7,63	7,62	7,61	7,60	7,59	7,58
35			8,05	8,08	8,10	8,11	8,11	8,10	8,08	8,06	8,05	8,03
40			8,61	8,65	8,68	8,69	8,68	8,67	8,64	8,61	8,59	8,57
45				9,33	9,36	9,37	9,36	9,34	9,31	9,26	9,24	9,21
50					10,16	10,17	10,16	10,13	10,09	10,03	10,00	9,96
55					11,10	11,10	11,09	11,06	11,00	10,93	10,90	10,85
60						12,19	12,17	12,12	12,06	11,98	11,94	11,87
	Mass Flow g/s											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	20,80	26,40	33,30	41,70	51,70	63,60	77,50					
20	20,30	26,00	32,80	41,10	51,00	62,70	76,50	92,50	111,50			
30		25,20	32,00	40,10	49,80	61,30	74,90	91,00	109,50	131,00	141,00	156,00
35			31,40	39,50	49,10	60,40	73,90	89,50	108,00	130,00	139,50	155,00
40			30,80	38,70	48,20	59,40	72,70	88,50	107,00	128,50	138,50	154,00
45				37,80	47,10	58,20	71,40	87,00	105,50	127,50	137,00	153,00
50					46,00	56,90	69,90	85,50	104,00	126,00	136,00	152,00
55					44,60	55,40	68,40	84,00	102,50	124,50	135,00	151,00
60						54,00	66,80	82,50	101,00	124,00	134,50	152,00

**Copeland Scroll - Compressor - Refrigeration - Standard**
**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, cu.m/h	14.4
Length/Width, mm	242/242
Height, mm	438
Net Weight, kg	37.4
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.9
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	61
Sound Power, dBA	72
Sound Power with Sound Shell, dBA	62
PED Category	1
High Side PS, bar(g)	28.8
Low Side PS, bar(g)	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Internal Free Volume, l	4.3

**COMPRESSOR ELECTRICAL DATA (380/420V - 3~ - 50Hz)**

Maximum Operating Current, A	12.8
Locked Rotor Current, A	65.5
Winding Resistance, ohm	2.7
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	70W External
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Rotalock valves	suction and discharge

**MOTOR OPTIONS**

<b>Power Supply</b>	<b>Nominal Voltage</b>	<b>Motor Code</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
380-420 V/3~/50H	400	TFD		Y	1,00
200-220 V/3~/50H	200	TF5		Y	2,09
200-230 V/3~/60H	230	TF5		Y	2,09
380 V/3~/60Hz	380	TF7		Y	1,26
460 V/3~/60Hz	460	TFD		Y	1,04